Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No.		50829-1040		\
First Inventor		Kent, Adrian Patrick	5	
Title	IMPROVEMENTS RELATING TO QUANTUM CRYPTOGRAPHY			
Express Mail Label No.		EV 269333961 US	20℃	

(Only for new nonprovisional applicat	ions under 37 CFR 1.53(b))	Express Mail Label No.		EV 269333961	US	220 €	
APPLICATION ELEMENTS See MPEP Chapter 600 concerning utility patent application content			ADDRESS	TO: Mail Stop Paten Commissioner f P.O. Box 1450 Alexandria, VA	or Patents	70	
	APPLICANT REQUESTS	EARLY PU	IBLICATION UNI				
2. Applicant claims small of Specification (preferred arrangement - Descriptive title of Cross Reference - Statement Regalar - Reference to see	continuous for fee processing) entity status. See CFR 1.27 [Total Pages set forth below] of the invention to Related Applications rding Fed. Sponsored R&D quence listing, a table, or a millisting appendix he Invention	34		CD-ROM or CD-R in duplicate Program (Appendix) otide and/or Amino Acid Seque licable, all necessary) Computer Readat Specification Sequence Listing i. CD-ROM of Paper	ence Submission	ıter	
 Brief Description Detailed Descrip 	of the Drawings (if filed)		c.		ng identity of above co		
- Claim(s) - Abstract of the D			ACC	OMPANYING APPLI	CATION PARTS	s	
4. X Drawing(s) (35 USC 11. 5. Oath or Declaration a. Newly Executed b. Copy from a pric (for continuation) i. DELE Signe name see 3. 6. Application Data Sheet. Assignee Name and Address (if applicable) 18. If a CONTINUING APPLICA or in an Application Data Sheet un Continuation	(original or copy) or application (37 CFR \$1.63(d)) or divisional with Box 18 complete ETION OF INVENTOR(S) and statement attached deleting in d in the prior application, 7 CFR 1.63(d)(2) and 1.33(b). See 37 CFR 1.76 TION, check appropriate bounder 37 CFR 1.76:	nventor(s)	9.	of prior applicat	Power of Attorney t (if applicable) Copies of Citations EP 503) and preliminary amends	f IDS B)(i). lent.	
Prior application informa For CONTINUATION OR DIVISIONAL APP disclosure of the accompanying continuatio	S only: the entire disclosure of the pain or divisional application and is he	prior applicatio	on, from which an oath ated by reference. The	Group / Art Unit: n or declaration is supplied under B his incorporation can only be relie	lox 5b, is considered a pad upon when a portion h	art of the	
inadvertently omitted from the submitted app	lication parts.		ENCE ADDRE				
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ADDRESS 100 Galleri Suite 1750 CITY Atlanta		Risley, L. Georgia		ZIP CODE FAX			
Name (Print/Type)				stration No. (Attorney/Agen	1		
Signature	George N		7 mes	Date	7/25/6	13	

PTO/SB/17 (01-03)
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	for FY	2003	•

Effective 01/01/2003. Patent fees are subject to annual revisions.

Applicant claims small entity status. See 37 CFR 1.27

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TOTAL AMOUNT OF PAYMENT 1356.00

Con	nplete If Known
Application Number	Unassigned
Filing Date	Herewith
First Named Inventor	Kent, Adrian
Examiner Name	Unassigned
Group / Art Unit	Unassigned
Attorney Docket No.	50829-1040

METHOD OF PAYMENT (check all that apply)			FEES CALCULATION (continued)					
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		Order	Fee	Entity Fee	Small Fee	Entity Fee	Fee Description Fee Paid	
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	Thomas, Kayd	en, Horstemeyer Risley, L.L.P.	1				SIR prior to Examiner action	_
The Commission	ner is authorized	to: (check all that apply)	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
	indicated below	Credit any overpayments	1251	110	2251	55	Extension for reply within first	7.
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1001 750	2001 375	Utility Filing Fee 750				100	appeal	_ [
1002 330	2002 165	Design Filing Fee	1403	280	2403	140	Request for oral hearing	_ i
1003 520	2003 260	Plant Filing Fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 750	2004 375	Reissue Filing Fee	1452	110	2452	55	Petition to revive-	-
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Multiple Dependent		140.00 = 0	8021	40	8021	40	Disclosure Stmt Recording each patent	-
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Code (\$)		ree Description	H				rejection (37 CFR § 1.129(a))	_
1202 18	Code (\$) 2202 9	Claims in excess of 20	1810	750	2810	3/5	For each add, invention to be examined (37 CFR 1.129(b))	
1201 84	2201 42	Independent claims in excess of 3	1801	750	2801	375	Request for Continued	7 !
1203 280	2203 140	Multiple dependent claim, if not paid	1802	900	1802	900	Examination (RCE) Request for expedited exam.	\dashv
1204 84	2204 42	**Reissue independent claims over original patent					of a design application	4
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Typed or Printed Name George M. Thomas				gistration No	. 22,26	0	Telephone Number 770-933-9500	
Signature					_		Date - / -	
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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Adrian Patrick Kent, et al.

For: Improvements Relating to Quantum Cryptography

CERTIFICATE OF EXPRESS MAIL

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
25 Pages of Specification

8 Pages of Claims (Claims 1-49)

1 Page of Abstract

8 Pages of Formal Drawings (Figs. 1-9)

Unsigned Declaration of: Adrian Patrick Kent, William John Munro, Timothy Paul Spiller, and Raymond G. Neausoleil (2 pages) Credit Card Authorizatio - authorizing filing fee of: 1356.00

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

George M. Thomas, Reg. No. 22,260

THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.

100 Galleria Parkway, N.W.

Suite 1750

Atlanta, Georgia 30339-5948

Our Docket No: 50829-1040

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service \"Express Mail Post Office To

Addressee" Package # EV 269333961 US.

Date: /- // 5-Q

Theresa M. James